



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

# INNOVATE JOHOR EXHIBITION 2019

**30/9 - 3/10  
DEWAN SERI ISKANDAR**

Qudri Ameer Bin Mohd Safiee  
Nursyahidatul Asyiqin Binti Yusof  
Nurul Aqilah Binti Ahmad  
Sharmarke Hussein Ibrahim

## About:

Innovate Johor is an annual public event organised by UTM under the management of the UTM Deputy Vice Chansellor of Research and Innovation(DVCRI).The purpose of this event is mainly to let the community to see the local researchers' ability and innovation.This event is also a platform for them to get motivation to build new invention that can be utilized by others.

## Reflections:

We got many benefits after going to the Innovate Johor Programme 2019. First of all, we learned that technology has progressed so far in the past decade. We had the opportunity to discover many types of technologies that were well-known in this era such as Warna which uses AR technology. Then, We went to visit the Multi-Sensory Smartroom. This technology can help people with autism, which we was so impressed by. It helps reduce agitation and anxiety. The next thing I saw was Palmar Teknodysis (PALM-T). This helped people with contracture, and enables them to communicate easier in the real world. The whole program helped open my mind to new possibilities of technology in the coming future.

## Task:

- |                                     |                               |
|-------------------------------------|-------------------------------|
| 1.Qudri Ameer Bin Mohd Safiee       | - Poster design, photographer |
| 2.Nursyahidatul Asyiqin Binti Yusof | - Interview, content summary  |
| 3.Nurul Aqilah Binti Ahmad          | - Interview, content summary  |
| 4.Sharmarke Hussein Ibrahim         | - Task management, Idea       |

# warna

Warna is an application that uses both real life coloring activity combined with Augmented Reality technology (AR).The simple concept of it is very unique and fascinating.It can attract botg kids and adults to enjoy their concept of using Warna.

Warna also selling their books for children which is available at online shop.



- Uses their own books for coloring activity.
- The colored elements in the book scanned by using their Warna application.
- 3D model of the elements can be seen in the app which is same looking with the elements in the books.

## MULTI-SENSORY SMARTROOM



A suitable therapy to minimize the symptoms of ASD (Autism Spectrum Disorder) with better alternative.

- Functions: to reduce agitation and anxiety.

### Independent therapy approach

- Used a sensory stimulation tools that provide a variety of therapy to help user explore the environment.
- User get an unrestrained non-threatening space to explore their own leisure which allows the therapist to look on what calms them and vice versa.
- Consist of sensory integration such as vision,hearing,touch and smell.

## PALMAR TEKNODYSIS (PALM-T)



Palmar Teknodysis is a tool for the used of "Dupuytren's contracture" patients.

Dupuytren's contracture is a condition in which one or more fingers become permanently bent

### Objective:-

1. create a cheap,easy and efficient tool.
2. resolve the defieny for the patients in everyday activity